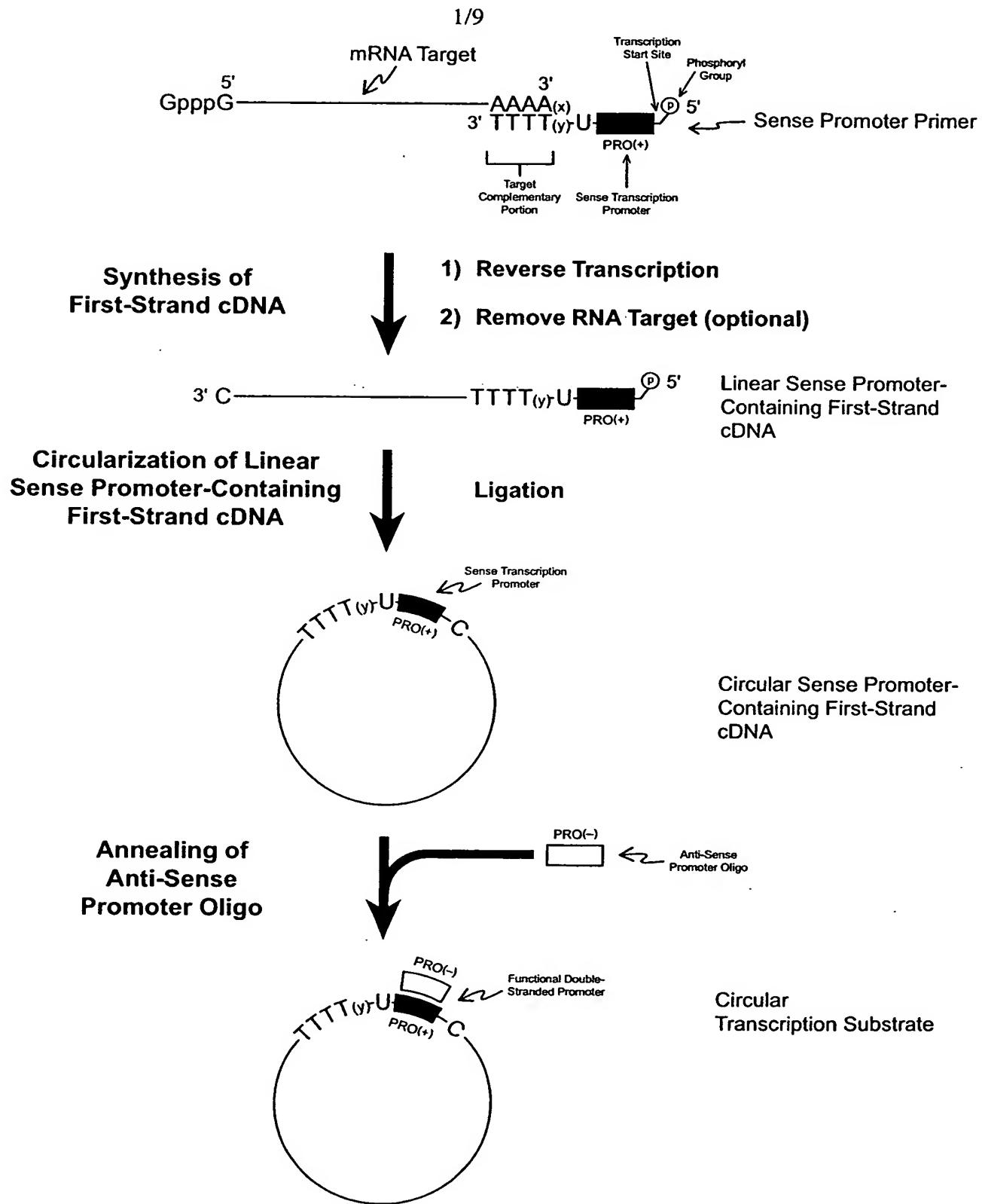


Title: METHODS FOR USING PRIMERS THAT ENCODE ONE STRAND OF A DOUBLE-STRANDED PROMOTER  
 Inventor(s): Gary A. Dahl/Jerome J. Jendrisak  
 Application No.:  
 Docket Number: 310307.00005



Figur 1

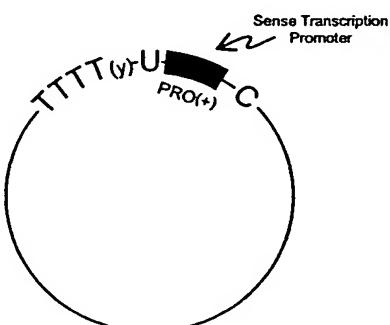
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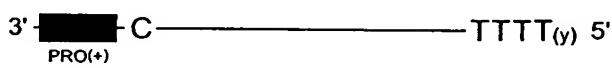
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Circular Sense Promoter-Containing First-Strand cDNA

Linearization of Circular Sense Promoter-Containing First-Strand cDNA

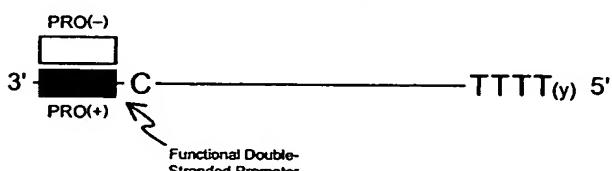
E.g., Uracil-N-Glycosylase and Endonuclease IV



Linear Sense Promoter-Containing First-Strand cDNA

Annealing of Anti-Sense Promoter Oligo

Anti-Sense Promoter Oligo



Linear Transcription Substrate

Figure 2

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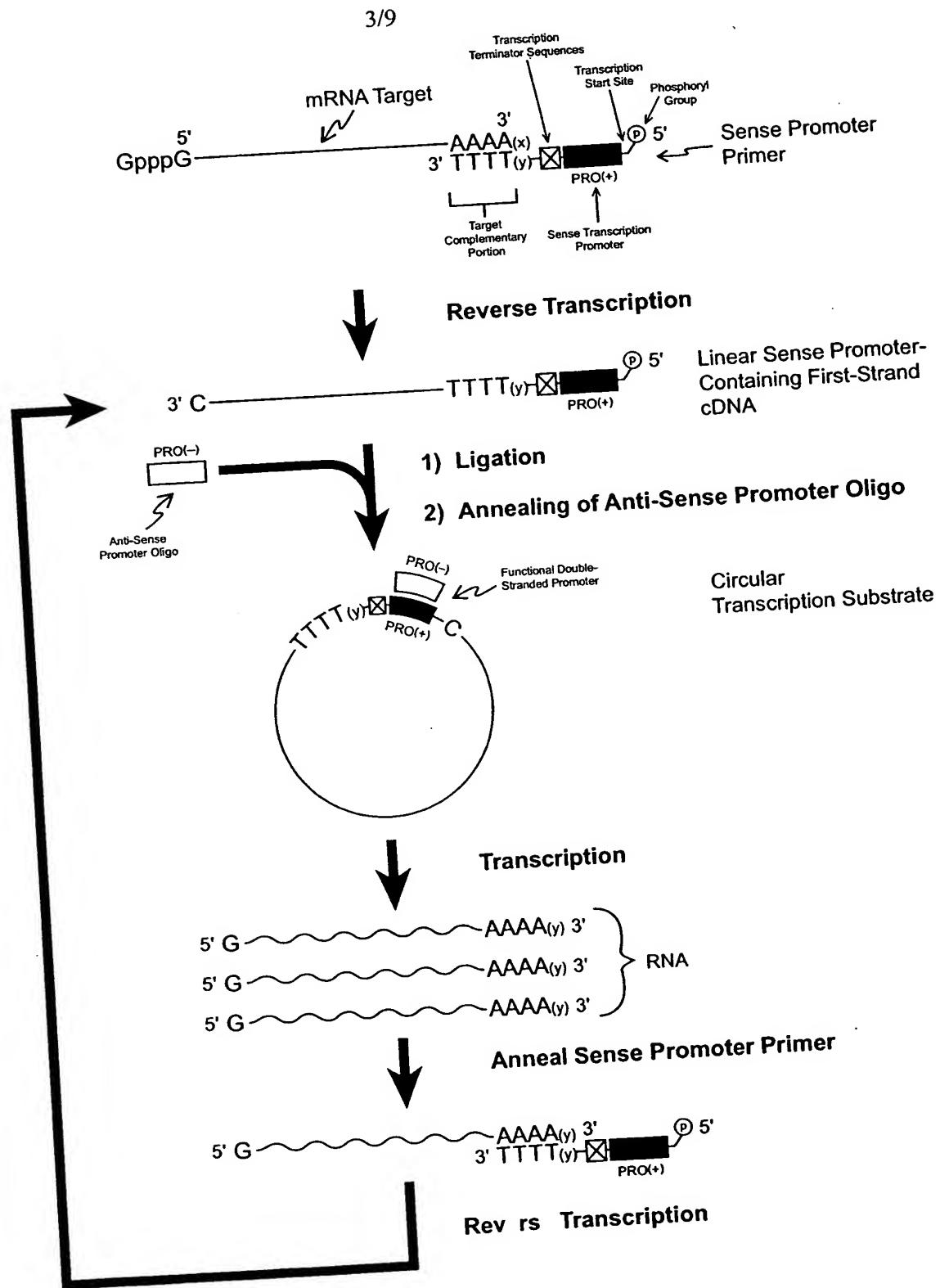


Figure 3

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DOUBLE-STRANDED PROMOTER  
Inventor(s): Gary A. Dahl/Jerome J. Jendrisak  
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Docket Number:

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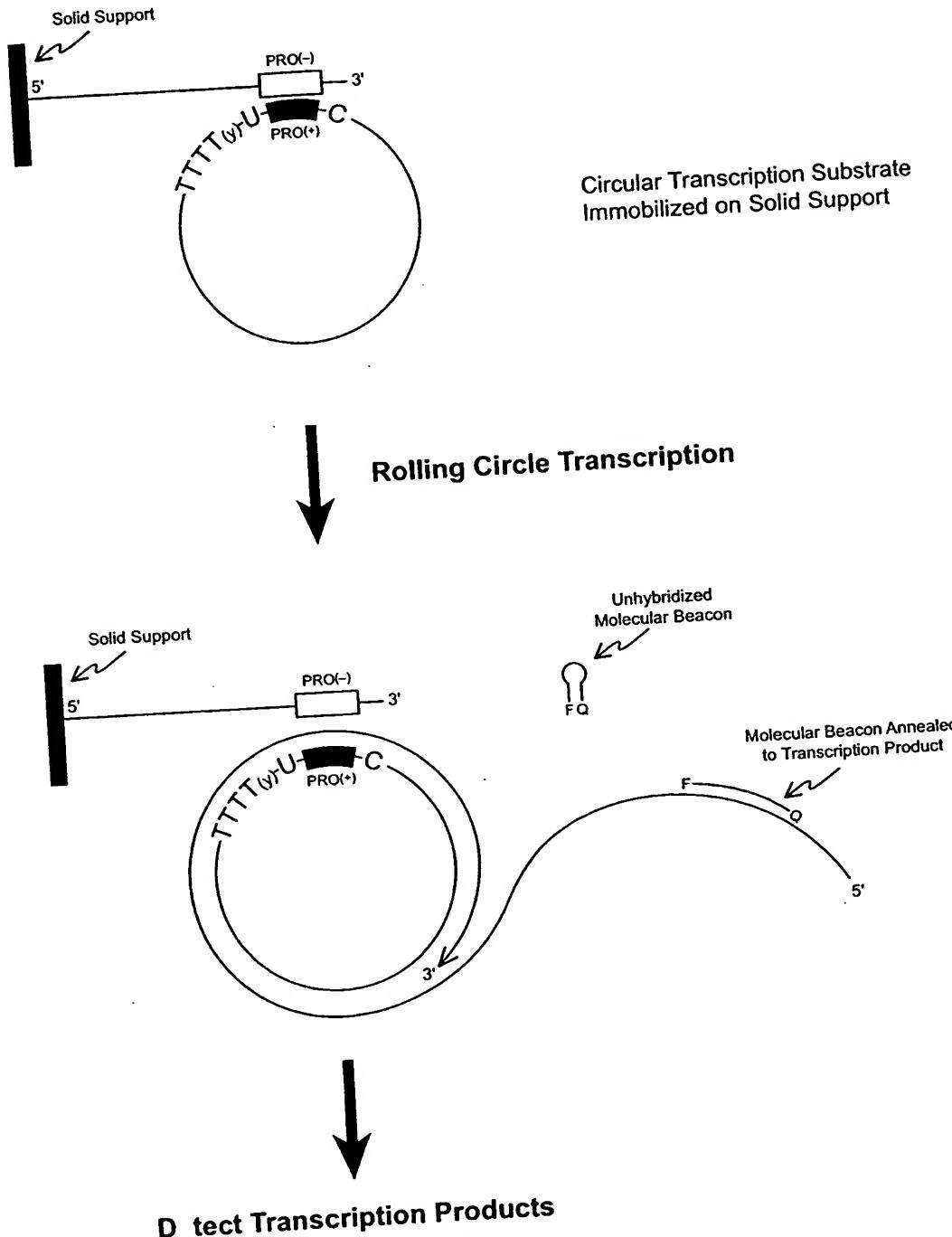


Figure 4

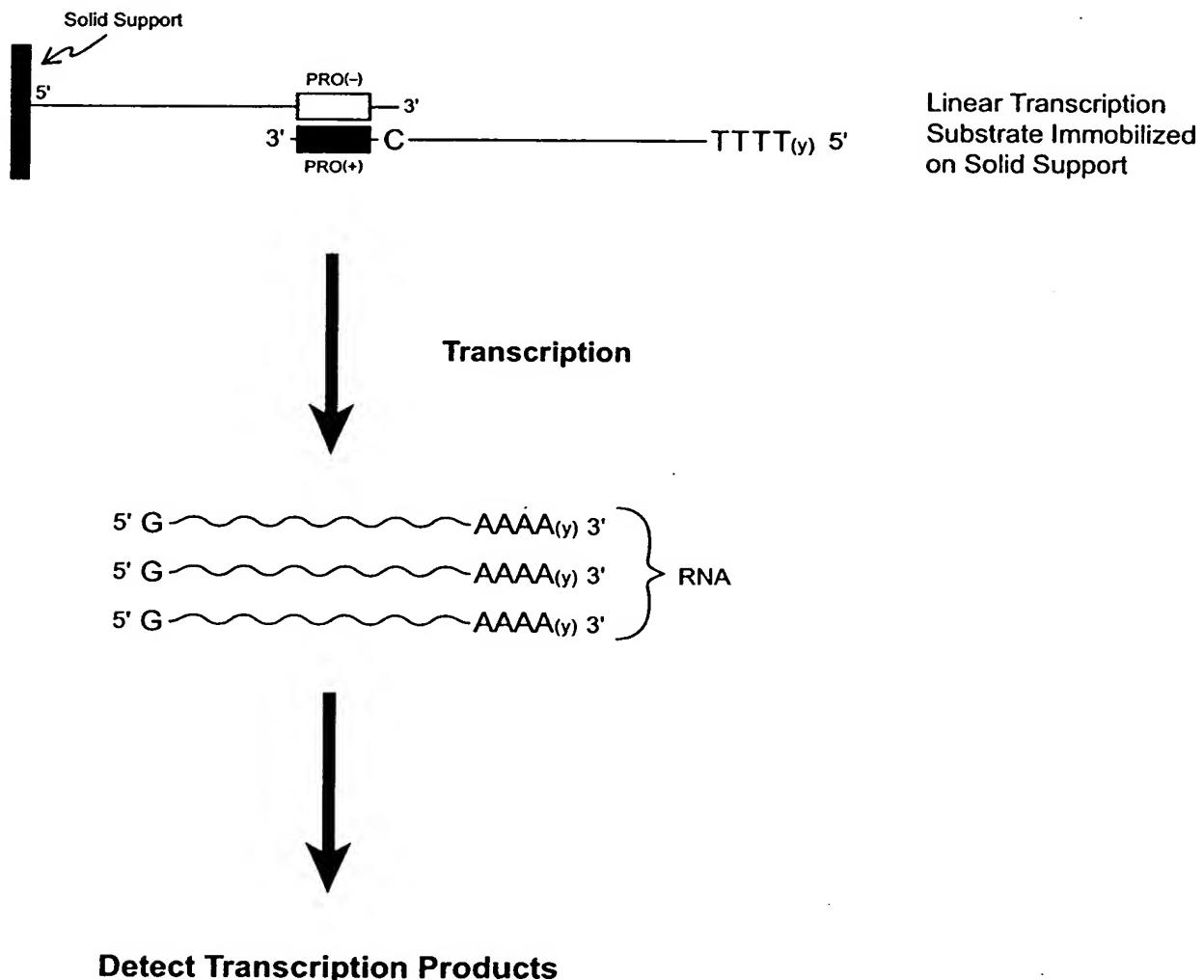
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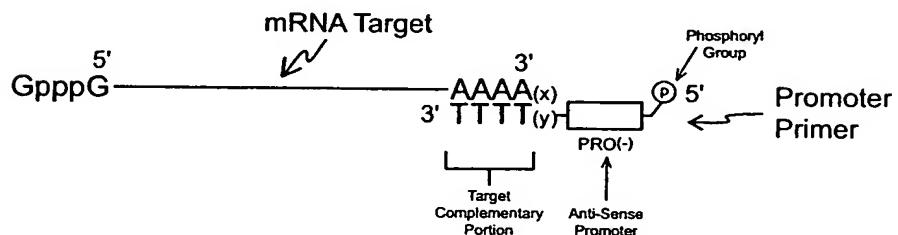
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Figur 5

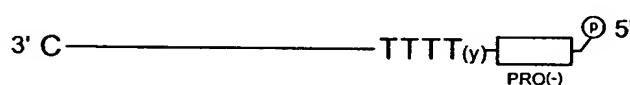
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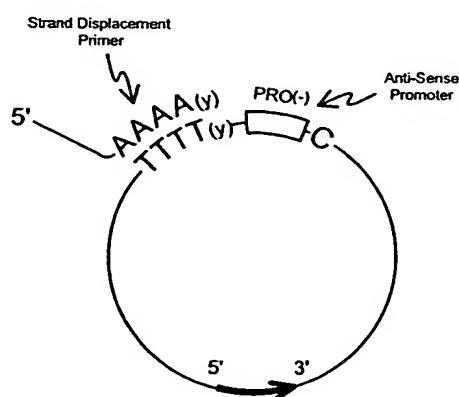
Synthesis of First-Strand cDNA

- 1) Reverse Transcription
- 2) Remove Target Nucleic Acid



Circularization of Linear Anti-Sense Promoter-Containing First-Strand cDNA

- 1) Ligation
- 2) Annealing of Strand Displacement Primer



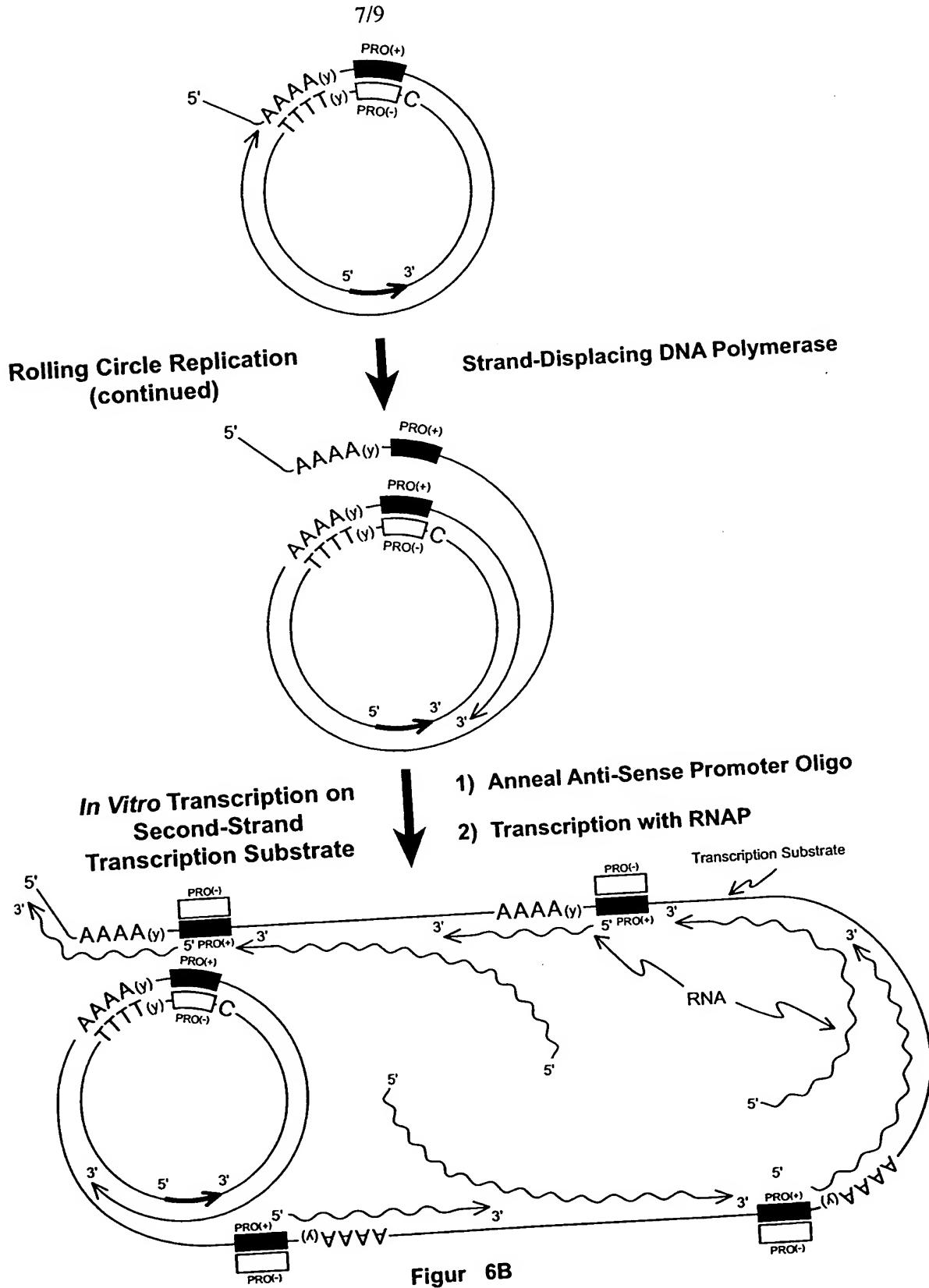
Circular Anti-Sense Promoter-Containing First-Strand cDNA

Rolling Circle Replication

Strand-Displacing DNA Polymerase

Figure 6A (continued on next page)

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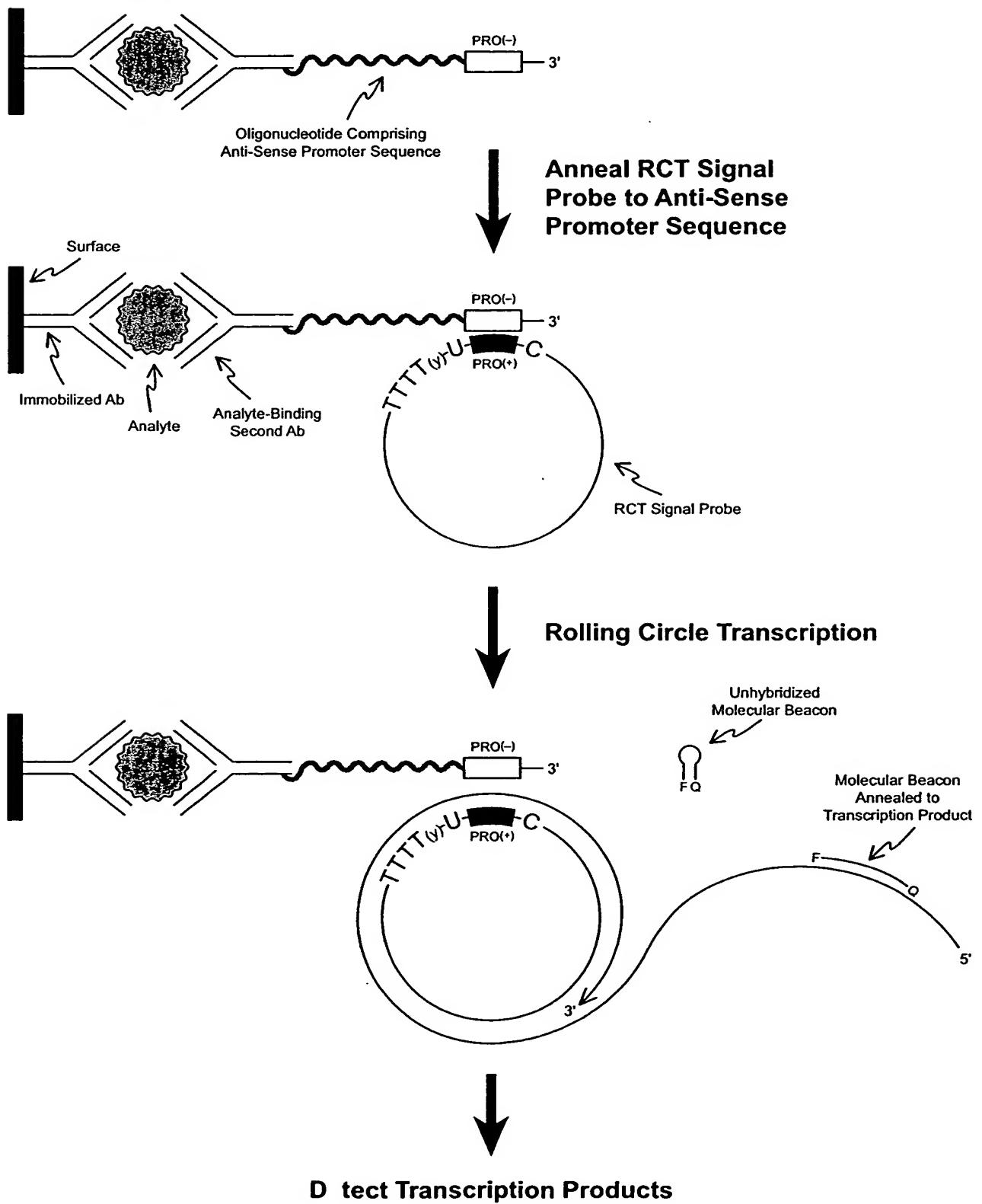


Figure 7

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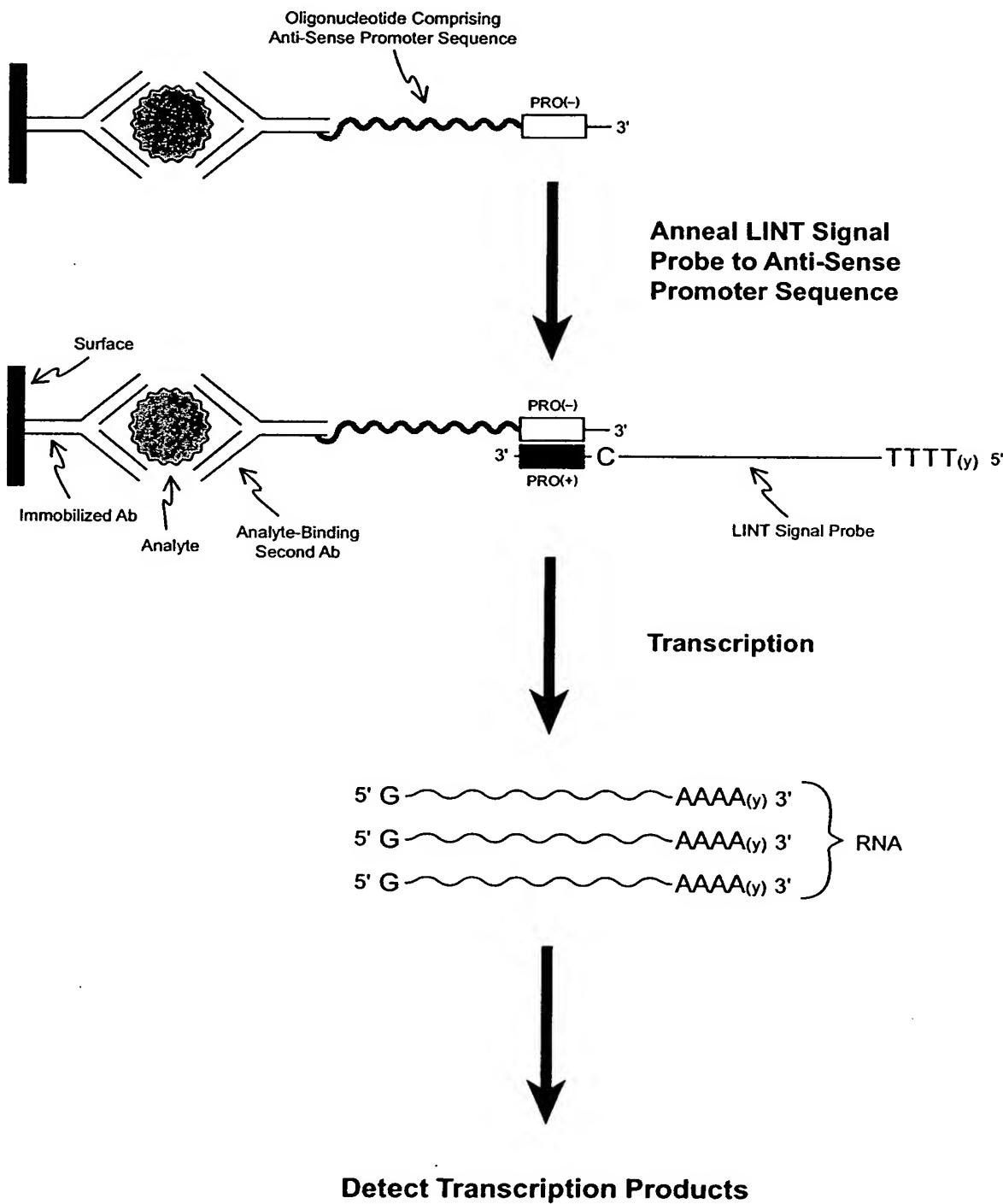


Figure 8